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U. S. ARMY ENGINEER
GEODESY, INTELLIGENCE AND MAPPING RESEARCH AND DEVELOPMENT AGENCY
FORT BELVOIR, VIRGINIA

STRATEGIC SYSTEMS DIVISION
Special Projects Branch

MEMORANDUM FOR RECORD

18 December 1964

SUBJECT: Evaluation of Design Analysis Report for Con-
tact Duplicating and Reseau Printer

1. Introduction - The subject design analysis has been reviewed by AMS, GIMRADA, and discussed with the [redacted]. The discussion with [redacted] took place on 20 November 1964 at GIMRADA. During this conference, the Government personnel (technical monitors) stated that exception would be taken relative to [redacted] expressed interpretation of the exposure control requirement as stated in the contract; otherwise, the design analysis appeared acceptable.

2. Exposure Control - Reference is made to the following:
(1) [redacted] Design Analysis Report: Section 2.1 "Exposure Source Automatic Exposure Control and Film Sensitometry," Section 2.11 "Operating Cycle and Printing Speed;" (2) Paragraphs 3.8 and 3.9, contractual document entitled "Contact Duplicating and Reseau Printer", dated 14 February 1964.

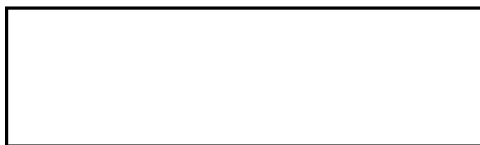
In reference 1, full frame instantaneous exposure is strongly inferred as being a requirement of the contractual document of reference 2. In all conferences to date with [redacted] including those before and after the contract award, the technical monitor explicitly stated that a full frame, instantaneous, exposure would not meet the requirement of exposure control. In these conferences the technical monitors stated that exposure control in the direction along the length of the frame was a requirement but not necessarily along the width of the frame.

On page two of the Design Analysis Report, reference is made to paragraphs 3.8 and 3.9 of the contractual document, dated 14 February 1964. The technical monitors do not agree with the statement that "sections 3.8 and 3.9 indicate an automatic exposure control system which is commonly defined as full-frame exposure with regulation of exposure time and/or intensity according to relative density." The exception that the technical monitors take to the above statement is the phrase "full-frame exposure" interpreted to mean instantaneous full-frame exposure. The contractual technical specification,

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dated 14 February 1964 does not state that full-frame instantaneous exposure is required nor does it preclude the so called "sophisticated system" that the technical monitors have indicated and partially outlined on page 3 of the Design Analysis Report.

3. Recommendation - It is recommended that final approval of the Design Analysis Report be withheld pending clarification of Sections 2.1 and 2.11 regarding whether exposure control over the length of the frame is to be provided. Otherwise, the report is well presented and is considered acceptable.



Technical Monitor
Special Projects Branch
Strategic Systems Division